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EXAMINER

ROBINSON, MYLES D

ART UNIT	PAPER NUMBER
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2625

NOTIFICATION DATE	DELIVERY MODE
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ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary

Application No.

10/675,341

Applicant(s)

KUO ET AL.

Examiner

Myles D. Robinson

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 30 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 September 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date <u>9/30/2003</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Information Disclosure Statement

1. The examiner has considered the references listed in the Information Disclosure Statement (IDS) submitted on 9/30/2003 (see attached PTO-1449).

Drawings

2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: reference number 214 (Fig. 2).
3. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: flow chart 200 (*see Specification [page 4, line 3]*).
4. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the parameters including inclusion of cover sheets (as recited in claims 7 and 16) must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.
5. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "512" has been used to designate both Print button (Fig. 5) and Open button (*see Specification [page 4, line 23 and page 5, line 20]*). Corrected

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drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Specification

6. The disclosure is objected to because of the following informalities: misspelling in line 16 of page 4. It is suggested that "All print jobs from that at least one use" be revised to read "All print jobs from that at least one use user."

Appropriate correction is required.

Claim Objections

7. The following quotation of 37 CFR 1.75(a) is the basis of the objection:

- (a) The specification must conclude with a claim particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention or discovery.

8. ***Claims 5, 8, 10, 14, 19, 23, 26 and 30*** are objected to under 37 CFR 1.75(a) as failing to particularly point out and distinctly claim the subject matter which the applicant regards as his invention or discovery.

Claims 5, 14, 23 and 30 recite the limitation "a user" in line 5 of these claims after the limitation "an associated user" was claimed in line 3 of these claims. The applicant has failed to particularly point out and distinctly claim if the applicant is referring to *the same, instant* "associated user" or *a unique and distinctly different* "associated user" within these claims.

9. **Claims 5, 14, 23 and 30** recite the limitation "a storage location to store print job data associated with the user" in line 6 of these claims after the limitation "a storage location to store print job data associated with the user" was claimed in line 4 of these claims. The applicant has failed to particularly point out and distinctly claim if the applicant is referring to *the same, instant* "storage location to store print job data associated with the user" or *a unique and distinctly different* "a storage location to store print job data associated with the user" within these claims.

10. **Claims 8, 10, 19 and 26** are objected to under 37 CFR 1.75 as being a substantial duplicate of claims 1, 17, 25 and 32, respectively. When two claims in an application are duplicates or else are so close in content that they both cover the same thing, despite a slight difference in wording, it is proper after allowing one claim to object to the other as being a substantial duplicate of the allowed claim. See MPEP § 706.03(k).

11. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

12. **Claims 1 – 9 and 19 – 25** are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

13. Regarding **claims 1, 3 – 6, 19 and 21 – 25**, the phrase "adapted for" renders the claim indefinite because it is unclear whether the limitations following the phrase are part of the claimed invention. See MPEP § 2173.05(d).

Description of examples or preferences is properly set forth in the specification rather than in the claims. If stated in the claims, examples and preferences may lead to confusion over the intended scope of a claim. See MPEP 2173.05(d).

The phrase "adapted for" is language that suggests or makes optional but does not require steps to be performed or does not limit a claim to a particular structure; therefore, it does not limit the scope of a claim or claim limitation. See MPEP 2106 II (C).

Where means plus function language is used to define the characteristics of a machine or manufacture invention, such language must be interpreted to read on only the structures or materials disclosed in the specification and "equivalents thereof" that correspond to the recited function. See MPEP 2106 II (C).

The Applicant discloses several preferred embodiments wherein the certain functions are carried out "by any suitable means" such that the claimed means cannot be clearly correlated to the elements set forth in the written description that perform the

recited step or function (see *Specification* [page 4, lines 18 – 19, 25 – 27, page 5, lines 7 – 11, 15 – 18, 24 – 26, page 6, lines 1 – 2 and 5 – 6]).

All claims dependent upon these claims suffer the same deficiency and, therefore, are rejected as well.

Claim Rejections - 35 USC § 101

14. 35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

15. ***Claims 19 – 32*** are rejected under 35 U.S.C. 101 because the claimed invention is directed to non-statutory subject matter.

Claims 19 and 26 are drawn to functional descriptive material NOT claimed as residing on a computer readable medium. See MPEP 2106.01 (Functional Descriptive Material) which states:

"Data structures not claimed as embodied in a computer-readable medium are descriptive material per se and are not statutory because they are not capable of causing functional change in the computer."

"Such claimed data structures do not define any structural or functional interrelationships between the data structure and other claimed aspects of the invention which permit the data structures' functionality to be realized."

Claim 26, while defining a computer-implemented method, does not define a "computer-readable medium" and is thus non-statutory for that reason. A computer-implemented method can range from paper on which the program is written, to a program simply contemplated and memorized by a person. The examiner suggests amending the claim to embody the program on "computer-readable medium" in order to make the claim statutory.

Also, claim 19, while defining a computer-readable medium, does not define "a computer executing a computer-implemented method (or computer program) stored in a computer-readable medium" and is thus non-statutory for that reason. Although a computer program is stored on a computer-readable medium, the functionality of the invention is not achieved until the computer executes the program stored therein. The Examiner suggests amending the claim to embody the computer executing the program stored therein in order to make the claim statutory.

"In contrast, a claimed computer-readable medium encoded with the data structure defines structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and is thus statutory." – MPEP 2106.IV.B.1(a)

Data structures (i.e. print data job data, print status information) not claimed as embodied in computer-readable media are descriptive material *per se* and are not statutory because they are not capable of causing functional change in the computer. See, e.g., *Warmerdam*, 33 F.3d at 1361, 31 USPQ2d at 1760 (claim to a data structure *per se* held nonstatutory). Such claimed data structures do not define any structural and functional interrelationships between the data structure and other claimed aspects of the invention which permit the data structure's functionality to be realized. In contrast, a claimed computer-readable medium encoded with a data structure defines structural and functional interrelationships between the data structure and the computer software and hardware components which permit the data structure's functionality to be realized, and is thus statutory.

Similarly, computer programs claimed as computer listings *per se*, i.e., the descriptions or expressions of the programs (e.g. a computer-implemented method

comprising several consecutive steps), are not physical "things." They are neither computer components nor statutory processes, as they are not "acts" being performed. Such claimed computer programs do not define any structural and functional interrelationships between the computer program and other claimed elements of a computer which permit the computer program's functionality to be realized. In contrast, a claimed **computer-readable medium encoded with a computer program** is a computer element which ***defines structural and functional interrelationships between the computer program and the rest of the computer which permit the computer program's functionality to be realized***, and is thus statutory. See Lowry, 32 F.3d at 1583-84, 32 USPQ2d at 1035. Accordingly, it is important to distinguish claims that define descriptive material *per se* from claims that define statutory inventions.

Since a computer program is merely a set of instructions capable of being executed by a computer, the computer program by itself is not a process. Without the computer-readable medium needed to realize the computer program's functionality, the mere computer program is considered as nonstatutory functional descriptive material. ***When a computer program is claimed in a process where the computer is executing the computer program's instructions***, the claim is treated as a process claim. See MPEP 2106.01 I.

All claims dependent upon these claims suffer the same deficiency and, therefore, are rejected as well.

Claim Rejections - 35 USC § 102

16. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

17. ***Claims 1 – 4, 6 – 13, 15 – 22, 24 – 29, 31 and 32*** are rejected under 35

U.S.C. 102(b) as being anticipated by ***Rosekrans et al.*** (U.S. Patent No. 5,450,571).

Referring to **claim 1**, Rosekrans discloses a system for storing of print job data comprising:

means adapted for acquiring print job data representative of a desired print job, which print job data is comprised of a page description language format (see *Fig. 3 wherein job ticket 35-1 supports multiple formats and is set to a particular page description language format [e.g. PostScript] by the user [column 3, lines 62 – 68] and see Fig. 6 wherein after printing selections are made and job ticket 35 is created, the appropriate PDL file is attached to the electronic document 45 to be printed [column 4, lines 29 – 35]*) associated with a selected printer device (see *Figs. 2 and 6 – 7 wherein server 25 provides dialog filtering which serves to match the programming abilities of the individual clients 15-1, 15-2,... 15-n with the print functions of printers 12-1, 12-2,...*

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12-n [column 1, lines 33 – 41, column 4, line 53 – column 5, line 11, column 5, lines 18 – 40 and 58 – 64]),

storage means adapted for selectively storing the print job data in a selected storage location (see *Figs. 2 and 6, document directory 70 [column 4, lines 29 – 35 and column 6, lines 4 – 8]*),

means adapted for acquiring print status information including data representative of a name associated with the print job data (see *Fig. 3 wherein job ticket 35 comprises %XRXsourceFile which is analogous to a name associated with the particular electronic document 45*) and data representative of a size of the print job data (see *Figs. 3 and 5 wherein the quantity of copies of the print job is included in job ticket 35 such that the size of the print job data to be executed proportionally reflects the quantity of copies of print data requested [i.e. 100 copies of a print job will require more memory space than 10 copies of the same print job] such that the quantity of copies is analogous to the size of the print job data [column 3, lines 32 – 37 and 62 – 68]*),

the storage means including means adapted for selectively storing the print status information associatively with the print job data (see *Fig. 6 wherein electronic documents 45 are stored in document directory 70 while the associated job tickets 35 are appropriately stored in print queues 42-1, 42-2,... 42-n [column 6, lines 4 – 8]*),

means adapted for selectively communicating the print job data to generate an image for display in an associated display device (see *Figs. 1, 2, 5 and 6, UI 16 with interactive screen 17 [column 3, lines 15 – 25 and column 4, lines 12 – 19]*), and

means adapted for selectively communicating the print job data to the selected printer device to obtain a printout thereof (see *Figs. 1, 2 and 6 wherein the user selects a print queue 42-1, 42-2, ... 42-n being associated with a specific one of the printers 12-1, 12-2, ... 12-n [column 2, lines 65 – 68, column 3, lines 15 – 25, 38 – 47 and column 4, lines 20 – 24]*).

Referring to **claim 2**, Rosekrans discloses the system further wherein the storage means comprise multiple storage locations for storing the print job data (see *Fig. 6 wherein document directory 70 has multiple locations to store electronic documents 45 [i.e. Job #1, Job #2, Job #3, etc.] and wherein documents 45 may be stored within client 15, in directory 70 of server 25 or elsewhere in system 10 such that job ticket 35 includes a reference to the file location in order to retrieve the document [column 4, lines 29 – 35 and column 6, lines 4 – 8]*).

Referring to **claim 3**, Rosekrans discloses the system further comprising selection means adapted for selecting the storage location to store the print job data (see *Fig. 3 wherein the user programs the parameters of print jobs using job ticket 35 [column 3, lines 32 – 37, 62 – 68 and column 4, lines 12 – 19] and wherein job ticket 35 comprises %XRXsourceFile as the reference to the file location in order to retrieve the document stored within client 15, document directory 70 or elsewhere within system 10 [column 4, lines 29 – 35]*).

Referring to **claim 4**, Rosekrans discloses the system further wherein the selection means comprise means adapted for storing selection data which pre-authorizes selection of a specified storage location for storing print job data (see *Fig. 6*

wherein validation 64 authorizes print program selections prior to sending out the print request, or in other words, before documents 45 are sent to its selected print queue 42 within job ticket 5[column 6, lines 42 – 52] in which validation is completed prior to the normal storage of document 45 within document directory 70 [column 6, lines 4 – 8]).

Referring to **claims 6 and 7**, Rosekrans discloses the system further comprising means adapted for selecting parameters for the desired print job (see *Figs. 1, 2, 5 and 6, UI 16 with interactive screen 17 [column 3, lines 15 – 25 and column 4, lines 12 – 19]*) wherein the parameters which are selected include number of copies, finishing options, merging of two print jobs, and inclusion of cover sheets (see *Figs. 3 and 5, job ticket 35 [column 3, lines 32 – 37, 62 – 68, column 4, lines 12 – 19 and 53 – 62]*).

Referring to **claim 8**, Rosekrans discloses the system further comprising display means adapted for displaying the print job data contained in at least one storage location (see *Figs. 1, 2, 5 and 6, UI 16 with interactive screen 17 [column 3, lines 15 – 25 and column 4, lines 12 – 19]*).

Referring to **claim 9**, Rosekrans discloses the system further comprising means adapted for performing raster image processing on the print job (see *Figs. 1, 2 and 6 wherein both clients 15-1, 15-2,... 15-n and printers 12-1, 12-2,... 12-n provide image processing choices [e.g. enlargement, reduction, rotation, etc.] [column 4, lines 38 – 62]*).

Referring to **claims 10 – 13 and 15 – 18**, the rationale provided in the rejections of claims 1 – 4 and 6 – 9, respectively, is/are incorporated herein. In addition, the

systems of claims 1 – 4 and 6 – 9 perform the methods of claims 10 – 13 and 15 – 18, respectively.

Referring to **claims 19 – 22, 24 and 25**, the rationale provided in rejections of claims 10 – 13, 15 and 17, respectively, are incorporated herein. The methods of claims 10 – 13, 15 and 17 are stored as programs of instructions of claims 19 – 22, 24 and 25, respectively, within memory and executed by a series of processors (*see Figs. 1, 2 and 6, clients 15-1, 15-2,... 15-n, server 25 [column 3, lines 11 – 28]*).

Referring to **claims 26 – 29, 31 and 32**, the rationale provided in rejections of claims 10 – 13, 15 and 17, respectively, are incorporated herein. The methods of claims 10 – 13, 15 and 17 are stored as programs of instructions of claims 26 – 29, 31 and 32, respectively, within memory and executed by a series of processors (*see Figs. 1, 2 and 6, clients 15-1, 15-2,... 15-n, server 25 [column 3, lines 11 – 28]*).

18. **Claims 1 – 5, 8 – 14, 17 – 24, 24 – 30 and 32** are rejected under 35 U.S.C. 102(e) as being anticipated by **Kim et al.** (U.S. Patent No. 7,200,748).

Referring to **claim 1**, Kim discloses a system for storing of print job data comprising:

means adapted for acquiring print job data representative of a desired print job, which print job data is comprised of a page description language format associated with a selected printer device (*see Figs. 1 and 3 wherein printer 60 comprising printer unit 70 receives incoming e-mails into storage 61 from mail servers 51 – 55 using POP3 in*

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steps 213 – 215 such that POP3 is analogous to a page description language [column 1, lines 26 – 35, column 3, lines 61 – 67 and column 4, lines 37 – 43]),

storage means (see Fig. 2, storage 61) adapted for selectively storing the print job data in a selected storage location (column 3, lines 18 – 31 and 36 – 45),

means adapted for acquiring print status information including data representative of a name associated with the print job data (see Fig. 2 wherein a N-th user's name on the user account allocated within storage 61 is associated with the respective user's stored e-mails in storage 61 [column 3, lines 42 - 45] and it is well-known in the art that e-mails have corresponding subject headers, senders' e-mail addresses and/or recipients' e-mail addresses which all are analogous with a name associated with the print job, that is the name of the particular message is listed in the subject heard and the names of the sender(s) and/or recipient(s) are also listed) and data representative of a size of the print job data (wherein it is well-known in the art that POP3 acquires the size of the electronic message),

the storage means including means adapted for selectively storing the print status information associatively with the print job data (see Fig. 2 wherein storage 61 comprises individualized storage areas for N-th users and their respective e-mails along with the e-mails corresponding subject headings, addresses, message size, etc. [column 3, lines 18 – 31 and 42 – 45] and see Fig. 3, steps 215 – 217 [column 3, line 61 – column 4, line 24 and column 4, lines 43 – 65]),

means adapted for selectively communicating the print job data to generate an image for display (see *Fig. 4, steps 311 – 315 [column 3, lines 33 – 36 and column 5, lines 31 – 38]*) in an associated display device (see *Fig. 2, display 80*), and

means adapted for selectively communicating the print job data to the selected printer device to obtain a printout thereof (see *Fig. 4, steps 317 > 319 [column 5, lines 38 – 41]*).

Referring to **claim 2**, Kim discloses the system further wherein the storage means comprise multiple storage locations for storing the print job data (see *Fig. 2 wherein storage 61 comprises individualized storage areas for N-th users and their respective e-mails along with the e-mails corresponding subject headings, addresses, message size, etc. [column 3, lines 18 – 31 and 42 – 45] and see Fig. 3, steps 215 – 217 [column 3, line 61 – column 4, line 24 and column 4, lines 43 – 65]*).

Referring to **claim 3**, Kim discloses the system further comprising selection means adapted for selecting the storage location to store the print job data (see *Fig. 3 wherein printer 60 selects which of N user accounts to store the received e-mails in steps 215 > 217 > 219 [column 4, lines 1 – 24 and 37 – 65]*).

Referring to **claim 4**, Kim discloses the system further wherein the selection means comprise means adapted for storing selection data which pre-authorizes selection of a specified storage location for storing print job data (see *Fig. 2, authentication device 63 [column 3, lines 32 – 36] and see Fig. 3, step 211 [column 3, lines 56 – 60 and column 4, lines 25 – 33]*).

Referring to **claim 5**, Kim discloses the system further wherein the selection means includes:

means adapted for prompting an associated user for selection data to select a storage location to store print job data associated with the user (*see Fig. 2 wherein the user interacts with prompts on display 80*),

means adapted for receiving user selection data resultant from a prompt of a user for a storage location to store print job data associated with the user (*see Fig. 2 wherein user interacts with prompts on display 80*), and

means adapted for storing the print job data in the storage location in accordance with the user selection data (*see Fig. 3 wherein N-th user sets up their respective account for the reception and storage of their e-mails in step 201 [column 3, lines 39 – 45]*).

Referring to **claim 8**, Kim discloses the system further comprising display means adapted for displaying the print job data contained in at least one storage location (*see Fig. 2, display 80 and see Fig. 4, steps 311 – 315 [column 3, lines 33 – 36 and column 5, lines 31 – 38]*).

Referring to **claim 9**, Kim discloses the system further comprising means adapted for performing raster image processing on the print job (*see Fig. 4 wherein printer 60 renders e-mails for printout in steps 317 > 319 [column 5, lines 38 – 41]*).

Referring to **claims 10 – 14, 17 and 18**, the rationale provided in the rejections of claims 1 – 5, 8 and 9, respectively, is/are incorporated herein. In addition, the systems of claims 1 – 5, 8 and 9 perform the methods of claims 10 – 14, 17 and 18, respectively.

Referring to **claims 19 – 24 and 25**, the rationale provided in rejections of claims 10 – 14 and 17, respectively, are incorporated herein. The methods of claims 10 – 14 and 17 are stored as programs of instructions of claims 19 – 24 and 25, respectively, within memory and executed by a series of processors (*column 5, lines 47 – 51*).

Referring to **claims 26 – 30 and 32**, the rationale provided in rejections of claims 10 – 14 and 17, respectively, are incorporated herein. The methods of claims 10 – 14 and 17 are stored as programs of instructions of claims 26 – 30 and 32, respectively, within memory and executed by a series of processors (*column 5, lines 47 – 51*).

Conclusion

19. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Bellucco et al. (U.S. Patent No. 5,930,465) disclose a printing system with enhanced print service capability (*see Abstract and Figs. 2 – 6 and 10*).

Meade, II (U.S. Patent No. 7,251,047) discloses a virtual media tray which causes a printer to perform one or more operations (e.g. storing, emailing, faxing, etc.) in response to a request to print a document (*see Abstract and Figs. 1 – 2*).

RFC 1939 “Post Office Protocol – Version 3” discloses the Internet standard on communicating text messages.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Myles D. Robinson whose telephone number is (571) 272-5944. The examiner can normally be reached on M-F 8:30am-5:00pm.

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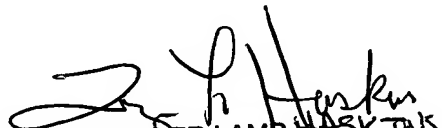
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Twyler L. Haskins can be reached on (571) 272-7406. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



MDR

2/1/08


TWYLER LAMB HASKINS
SUPERVISORY PATENT EXAMINER